



PATENT 4001-1224

November 6, 2006

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: SIMON et al. Confirmation: 8341

Serial No.: 10/588,493 Art Unit: 1645

Filed: August 4, 2006 Examiner: Not assigned

For: BIOSENSOR AND METHOD FOR OPERATING THE LATTER

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, listed on the attached Form PTO-1449 are references that are relevant to the above-identified application, including those set forth on page 10 of the present specification. Copies of the foreign references and literature articles are included.

On page 2 of the accompanying Form PTO-1449, a corresponding U.S. patent or published application is cited for each German application, thereby satisfying the requirement for a concise explanation of relevance of these documents.

The German language Schindler article, listed on page 3 of the enclosed Form PTO-1449, describes BIAcore®, a biospecific interaction analysis (BIA) system, with respect to miniaturized injection flow technology using an optical biosensor for monitoring interactions which take place at the sensor surface between a covalent and engaged molecule and another molecule in a solution in a fluid passing the surface. This system is used for measuring the concentration of

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different molecules in mixtures to now-kinetic variables and affinities of macromolecular interactions and specific characteristics (e.g., of antigen/antibody/coupling).

The present Information Disclosure Statement is being filed prior within three months of the filing date of the present application; therefore, no fee is required. The Examiner is courteously requested to initial and return a copy of the Form PTO-1449 to confirm entry into the record and consideration of the listed documents.

Respectfully submitted,
YOUNG & THOMPSON

BY:

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PTO/SB/08a (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO	Complete if Known			
	Application Number	,10/588,493		
INFORMATION DISCLOSURE	Filing Date	August 4, 2005		
STATEMENT BY APPLICANT	First Named Inventor	Dr. Maximilian Fleischer		
	Art Unit	1645 ——		
(use as many sheets as necessary)	Examiner Name	T 1045		
Sheet 1 of 3	Attorney Docket Number	4001-1224		

			U.S. PATENT D	OCUMENTS		
Examiner Cite No.1		Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Cited Docum	Applicant of nent	Pages, Columns, Lines, Where Releval Passages or Relevant Figures Appear
	1	5,670,031	9-23-1997	HINTSCHE	et al.	
	2	2002/0028441	3-7-2002	HINTSCHE	et al.	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

	Complete if Known	
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Attorney Docket Number	4001-1224	

		FOREIGN PA	ATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [®]
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	3	WO 00/11473	03-02-2000	Sensor-Tech Limited		
	4	DE 196 10 115	09-18-1997	Fraunhofer- Gesellschaft zur Förderung der angewandten Forschung e.V.		
	(2)	= US 2002/0028441	03-07-2002	Hintsche et al.		
	5	DE 43 18 519	12-08-1994	Fraunhofer- Gesellschaft zur Förderung der angewandten Forschung e.V.		
	(1)	= US 5,670,031	09-23-1997	Fraunhofer- Gesellschaft zur Förderung der angewandten Forschung e.V.		
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					Group Art Unit	1645	<u> </u>		
	(us	se as many s	sheets as n	ecessary)	Examiner Name				
	Sheet	3	of	3	Attorney Docket Number	4001-1224			

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ2
	12	Lu, Bin; Smyth, Malcolm R.; O'Kennedy, Richard: Immunological activities of IgG antibody on pre-coated Fc receptor surfaces. Analytica Chimica Acta, 1996, Vol. 331, Nr. 1-2, S. 97-102. (abstract) CAPLUS [online]. In: STN. Accession No. 1996:596405	
	13	Paeschke, M. [u. a.]: "Voltammetric Multichannel Measurements Using Silicon Fabricated Microelectrode Arrays". In: Electroanalysis, 1996, Vol. 8, Nr. 10, S. 891-898	
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	15	Hintsche, R., M. Paeschke, et al. (1997). Microbiosensors using electrodes made in Si-technology. Frontiers in Biosensorics 1 — Fundamental Aspects: 267-283	
	16	Lyon, L. A., M. D. Musick, et al. (1999). "Surface plasmon resonance of colloidal Au-modified gold films." Sensors and Actuators B 54: 118-124	
	17	Uttenthaler, E., C. Kößlinger, et al. (1998). Quartz crystal biosensor for the detection of the African Swine Fever diseas	
**	18	Schindler, F. (1992). "Real-Time BIA." BioTec 1: 36-43	
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Examiner	Date	
Signature	Considered	

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